

Mathematics Curriculum

Kindergarten

Topics Covered:

- Position Location
- Sorting & Classifying
- Graphing
- Patterning
- Numbers to 31 and Counting to 100
- Measurement & Temperature
- Calendar including months & seasons
- Telling Time to the hour
- Money, recognizing a penny, nickel, dime, quarter, and a dollar
- Geometry
- Fractions
- Adding & Subtracting Readiness

First Grade

Topics Covered:

- Add & subtracting to 18
- Telling time to the half hour
- Counting to 100, renaming, writing, and reading
- Place Value to tens and ones
- Money, counting using pennies, nickels, dimes, quarters, half-dollars and dollars
- Fractions: reading and writing
- -Measurement: standard inc. inches, feet, Metric inc. centimeters, using a ruler
- 2 digit addition & subtraction without regrouping
- Skip counting
- Rounding off
- Estimation and deciding when to estimate
- Mental math strategies
- 1& 2 step story problems
- Geometry: polygons, vertices, solid figures, drawing figures, congruent figures, transformation
- Collecting, organizing, reading and making a graph
- Think it through and write: problem solving application

Timed Test:

- Adding and subtracting to 18

Benchmark Test:

- Counting to 100
- Rounding off
- Place Value

Second Grade

Topics Covered:

- Addition and Subtraction to 10
- Addition and Subtraction with regrouping
- Mental Math
- Place Value to 1,000
- Money dollars and cents
- Solids & Plane Shapes: identifying , drawing, identifying sides and vertices
- Telling Time to the 5 minutes and lapse time
- Graphing
- Measurement using including yards, gallons, meters
- 3 digit Addition and Subtraction
- Multiplication and Division
- Counting, reading, writing, and renaming numbers to 1000
- Rounding off and estimating of whole numbers, and fractions
- Reading and writing fractions
- Two part story problems
- Think it through and write: problem solving application

Timed Test:

- Addition and subtraction to 18

Benchmark Test:

- Place Value to 1,000
- Adding and subtracting 2 Digit numbers

Third Grade

Topics Covered:

- Addition & Subtracting with regrouping
- Basic Facts
- Mental Math
- Solid Figures
- Place Value
- Counting Change using coins and bills
- Time to the minute and lapse time
- Graphing
- Ordered Pairs
- Perimeter, Area, Volume
- Greater Numbers
- Basic multiplication and division facts
- Multiplication of 2 & 3 numbers
- Dividing by 1 digit
- Measurement using fraction of an inch, yards, gallons, meters, millimeters
- Capacity, Temperature, and Weight
- Decimals: compare and order to the 10th and 100th
- Mode, mean, and median
- Geometry: parts of a circle, pairs of lines
- Counting, reading, writing, renaming numbers to 10,000.
- Fractions, equivalent, rounding off, mixed numbers
- Factors and multiples
- Multiplication and division story problems

- Think it through and write, problem solving application

Timed Test:

- Multiplication and Division to 18

Benchmark Test:

- Factors and Multiples
- Multiplying 2 digit numbers by 1 digit numbers
- Fractions: naming and equivalent

Fourth Grade

Topics Covered:

- Place Value
- Addition and Subtraction
- Money
- Identifying polygons
- Multiply 1-2 digit numbers
- Dividing by 1-2 digit numbers
- Adding and Subtracting Fractions, lowest terms & simplest form
- Adding and Subtracting Decimals
- Geometry: measuring angles, parts of a circle, & similar figures
- Metric Measurement
- Counting, renaming, writing, & reading numbers to 1 million
- Factors and multiples
- Adding and subtracting 4 digit numbers
- Mode, mean, and median
- Think it through and write, problem solving application

Timed Test:

- Multiplying and dividing of 2 digit numbers

Benchmark Test:

- Fractions: factors, multiples, adding and subtracting
- Adding and subtracting of 4 digit numbers

Fifth Grade

Topics Covered:

- Single digit division
- Multiplication
- Subtraction
- Measurement: inches, feet, yards, and miles
- Double digit division
- Decimals, addition, subtraction, multiplication, division
- Fractions & Mixed Numbers, addition, subtraction, multiplication, division
- Geometry
- Integers: adding and subtraction
- Factors and multiples
- Distance, rate and time
- Reading and writings tables and graphs
- Percentage: reading, writing and finding of percentages
- Area, perimeter, measurement
- Graphing
- Math terminology and knowing what it means
- Think it through and write, problem solving application

Timed Test:

- Addition, subtraction, multiplication and division up to 4 digit numbers

Benchmark Test:

- Math terms
- Adding and subtracting decimals and fractions

Sixth Grade

Topics Covered:

- Addition, Subtraction, Multiplication, Division of whole numbers, fractions, mixed numbers, and integers
- Equations of whole numbers, fractions, integers
- Greatest Common Factor and Least Common Multiple
- Proportions, Percent, & Ratio
- Graphing
- Integers
- Probability
- Geometry- basic
- Exponents and Equations
- Graphing
- Functions
- Geometry-construction, patterns, & polygons
- Data Analysis

Timed Test:

- Addition, Subtraction, Multiplication, and Division of whole numbers, fractions, and mixed numbers

Benchmark Test:

- Integers
- Exponents
- Factors and Multiples
- Ratio and Percent

Seventh Grade

Topics Covered:

- Rational and Irrational Numbers
- Ratio and Proportional Reasoning
- Problem Solving involving Percentage
- Using a compass and protractor
- Measurement Problems
- Conversions
- Data Graphing
- Variables and Operations
- Algebraic Representation
- Linear Equations
- Think it through and write, problem solving application

Timed Test:

- Addition, subtraction, multiplication, and division of whole numbers, fractions, mixed numbers, and integers

Benchmark Test:

- Graphing
- Ratio and Percent
- Geometry with a compass and protractor
- Simple algebraic representation

Eighth Grade

Topics Covered:

- Algebra
- Advanced Courses-pending the needs of the students

Timed Test:

- Addition, subtraction, multiplication, and division of whole numbers, fractions, mixed numbers, and integers

Benchmark Test:

- Teacher created
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